

Short Presentation

Sami HALILA is a CNRS researcher in Glycochemistry in the Group of “Self-Assembly of Glycopolymers” at CERMAV, a CNRS Laboratory in Grenoble Alpes University.



S. Halila completed in 2001 his PhD at the University of Picardie Jules Vernes, Amiens (France) in Carbohydrate Chemistry, followed by Postdoctoral positions at ENSC Rennes, Ghent University and CERMAV (Grenoble, France). In 2006, he was hired at CERMAV-CNRS at Hugues Driguez’s team (Team “Chemistry and Biology of Oligosaccharides”) to develop carbohydrate-based substrates or inhibitors of glycoside-hydrolases involved in diseases. In 2014, he moved to the Glycopolymer Self-Assembly group where the main topic was related to the synthesis and self-assembly of “sweet” amphiphilic diblock copolymers in solution or in thin-film.

His recent work is focusing on the synthesis and self-assembly of carbohydrate-based amphiphile systems and their applications in various fields of glycosciences including nanoparticles, supramolecular gels, biosensors. He coordinated many projects (ANR, Carnot, Labex, Brazil, China,...) and is the author of more than 60 publications and 5 patents – Recently, S. Halila has received the prestigious international “The cosmetic Victories” academic award for his work on the eco-friendly development of a carbohydrate-based organogelator, “Carbogel”.